Engineering Physics Lab

List of experiments:

1. Newton's Rings – Determination of Radius of Curvature of Lens

2. Diffraction Grating – Determination of Wavelength of a Monochromatic Source

3. Dispersive Power of the Material of a Prism – Spectrometer

4. Single Slit Diffraction using Lasers – Determination of wavelength of laser light.

5. I – V Characteristics of LED and LASER diodes

6. Evaluation of Numerical Aperture & Bending losses of an Optical Fiber

7. Study of Resonance in LCR – Series circuit

8. Determination of Energy gap of a material of p-n junction Diode

9. I-V Characteristics of P-N junction diode.

10. I-V Characteristics of a solar cell (photovoltaic effect for power generation)

Note: Any 8 experiments are to be performed.